

**New Jersey Department of Transportation
CORRECTIVE ACTION NOTICE**

QUALITY MANAGEMENT SERVICES

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Approved: B. Strizki

Date: May 19, 1999

Bureau(s) Affected: Division of Construction & Materials
Division of Project Management

Description of Problem(s):

On many of our interstate roadways built years ago, the shoulders were constructed with only two inches of bituminous stabilized base course over a gravel base.

A recent project to construct rumble strips on top of these shoulders has resulted in many areas becoming riddled with potholes and is causing significant maintenance problems. In another instance when this situation was encountered during construction, the decision was made to omit the construction of rumble strips in areas where the pavement showed signs of distress which would likely lead to problems.

Corrective Action Plan:

Based on the above experience and recommendations from the Bureau of Geotechnical Engineering, in no case shall rumble strip installation be constructed on shoulders with less than four inches of bituminous material. To ensure that the problem does not recur on future projects, actions should include the following:

- Projects under design which include rumble strip installation must be field investigated. As-builts should be examined and pavement cores should be obtained as necessary for verification and evaluation before the installation proceeds. Should the evaluation reveal that the existing shoulder is less than four inches of bituminous material, then an option would be to replace it with 4 inches or more of pavement as part of these projects before installing the rumble strips.
- For projects under construction, the Project Manager/Resident Engineer should negotiate a construction change order if necessary that will provide for the required thickness of the shoulder.

Implementation: Effective Immediately